



Bergamid™ B70 MI20 UF Grey 70

Polyamide 6

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Mineral, 20% Filler by Weight		
Features	• Flame Retardant • Good Impact Resistance • Good Processability	• Good Stiffness • Good Strength • Halogen Free	• Medium Viscosity
Uses	• Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic Applications	• General Purpose • Industrial Applications
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.32 g/cm ³	1.32 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	856000 psi	5900 MPa	ISO 527-2/1
Tensile Stress	10900 psi	75.0 MPa	ISO 527-2/50
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2/50
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	1.9 ft·lb/in ²	4.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	
Melting Temperature	428 to 437 °F	220 to 225 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.03 to 0.06 in (0.8 to 1.6 mm)	V-2	V-2	
Glow Wire Flammability Index			IEC 60695-2-12
0.08 in (2.0 mm)	1760 °F	960 °C	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	455 to 473 °F	235 to 245 °C
Middle Temperature	464 to 482 °F	240 to 250 °C
Front Temperature	473 to 491 °F	245 to 255 °C
Nozzle Temperature	482 to 500 °F	250 to 260 °C
Mold Temperature	140 to 176 °F	60 to 80 °C

Notes

¹ Typical values are not to be construed as specifications.